

Title (en)
Decanter prefilter for diesel engine fuel.

Title (de)
Dekantiervorfilter für Dieselmotorkraftstoff.

Title (fr)
Préfiltre à décantation pour combustible pour moteur diesel.

Publication
EP 0412210 A1 19910213 (EN)

Application
EP 89202747 A 19891031

Priority
IT 6761289 A 19890721

Abstract (en)
Decanter prefilter for Diesel engine fuel to be arranged upstream of the main filter to effect prefiltering up to 100-200 μ and a simultaneous separation of the suspended particles or of the water by decantation. The filter contains a filter cartridge (12) on which a conical baffle (18) is arranged for deflecting the incoming fuel, the baffle being urged by a spring (20) against the cover (2). A decantation chamber (21) with a drain hole (23) is defined below the filter cartridge (12). A fuel heating device may be accommodated in the head (8) and may be constituted by a polymer resistor (40) with a positive temperature coefficient (PTC), arranged between an insulating element (43) and a cup-shaped support plate (41) to avoid the formation and depositing of paraffins during the cold season.

IPC 1-7
F02M 31/12; **F02M 37/22**

IPC 8 full level
B01D 27/10 (2006.01); **B01D 35/18** (2006.01); **B01D 36/00** (2006.01); **F02M 31/12** (2006.01); **F02M 31/125** (2006.01); **F02M 37/24** (2019.01); **F02M 37/30** (2019.01); **F02M 37/36** (2019.01); **F02B 3/06** (2006.01); **F02M 37/54** (2019.01)

CPC (source: EP US)
B01D 27/103 (2013.01 - EP); **B01D 35/18** (2013.01 - EP); **B01D 36/003** (2013.01 - EP); **F02M 31/125** (2013.01 - EP US); **F02M 37/24** (2019.01 - EP US); **F02M 37/30** (2019.01 - EP US); **F02M 37/36** (2019.01 - EP US); **F02B 3/06** (2013.01 - EP); **F02M 37/54** (2019.01 - EP US); **Y02T 10/12** (2013.01 - EP)

Citation (search report)
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• [A] EP 0162939 B1 19871111

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Designated contracting state (EPC)
AT BE CH DE ES FR GB GR LI LU NL SE

DOCDB simple family (publication)
EP 0412210 A1 19910213; **EP 0412210 B1 19920729**; AT E78899 T1 19920815; DE 68902315 D1 19920903; DE 68902315 T2 19921210; ES 2034597 T3 19930401; GR 3005460 T3 19930524; IT 1233224 B 19920320; IT 8967612 A0 19890721

DOCDB simple family (application)
EP 89202747 A 19891031; AT 89202747 T 19891031; DE 68902315 T 19891031; ES 89202747 T 19891031; GR 920401765 T 19920820; IT 6761289 A 19890721